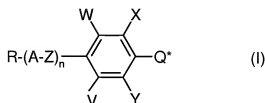


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A chiral~~ A chiral dopant having a laterally alkylated phenyl unit of ~~the general~~ formula I:



in which:

Q* ~~is a unit having an asymmetric carbon atom,~~



K ~~is -CH₂-, -O-, -CH₂CH₂-, -OCH₂-, -CH₂O-, -OCF₂-, -CF₂O-, -C≡C-, -CH=CH- or a single bond,~~

L and M are alkyl, cycloalkyl, O-alkyl, or aryl, where L must be different from M,

R ~~is -H, F, Cl, or an alkyl or alkenyl radical having from 1 to 12 carbon atoms or alkenyl radical having 2 to 12 carbon atoms,~~ which is unsubstituted or at least monosubstituted by halogen, and in which one or more non-adjacent -CH₂- groups are optionally may be replaced by -O- or -S- and/or -C≡C-, as well as F or Cl,

A ~~are,~~ independently of one another, are a single bond, 1,4-phenylene, in which, ~~in addition,~~ one or more H atoms are optionally may be replaced by F, 1,4-cyclohexylene, in which, in addition, one or two CH₂ groups are optionally may be replaced by -O-, or 1,4-bicyclo[2.2.2]octanyl,

Z are, independently of one another, ~~are~~ a single bond, -CH₂-CH₂-, -O-CH₂-,

$-\text{CH}_2\text{O}-$, $-\text{CF}_2\text{O}-$, $-\text{O}-\text{CF}_2-$, $-\text{CF}_2\text{CF}_2-$ or $-\text{C}\equiv\text{C}-$,

V and W are, independently of one another, H, F, Cl, or a ~~are~~ linear or branched alkyl or alkoxy having ~~from~~ 1 to 12 carbon atoms which is unsubstituted or monosubstituted or polysubstituted by halogen, ~~or H, F or Cl,~~

X and Y are, independently of one another, are H, F, Cl, trimethylsilyl, or a linear or branched alkyl or alkoxy having o or p carbon atoms which is unsubstituted or monosubstituted or polysubstituted by halogen, ~~where~~

o and p are, independently of one another, are identical or different and are integers in the range from 1 to 12, H, F or Cl, where in the case of H, F and Cl, o or p = 0, ~~or trimethylsilyl,~~ and

n ~~is from~~ 1 to 3,

with the proviso that X and/or Y is/are either an unsubstituted or halogen-substituted alkyl or alkoxy radical having o or p carbon atoms, where the sum o + p is ≥ 2 , or a trimethylsilyl radical.

2. (Currently Amended) A chiral ~~Chiral~~ dopant according to Claim 1, wherein one of ~~characterised in that unit Q* having an asymmetric carbon atom has the following structure~~



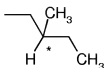
in which

K is CH_2 , O , CH_2CH_2 , OCH_2 , CH_2O , OCF_2 , CF_2O , $\text{C}=\text{C}$, $\text{CH}=\text{CH}$ or a single bond, and

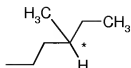
L and M are alkyl, is cycloalkyl, O-alkyl, alkenyl, alkynyl or aryl, where L must be different from M.

3. (Currently Amended) A chiral ~~Chiral~~ dopant according to Claim 1, wherein ~~characterised in that unit Q* is having an asymmetric carbon atom has one of the~~

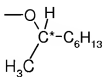
following structures:



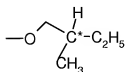
(h)



(i)

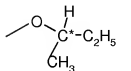


(m)



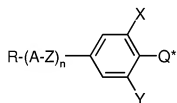
(r)

or

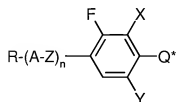


(s)₂

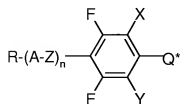
4. (Currently Amended) A chiral dopant according to Claim 1, which is a compound of formula (Ia), (Ib) or (Ic) characterised in that it has one of the following basic structures:



(Ia)



(Ib)



(Ic)₂

5. (Cancelled)

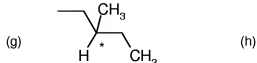
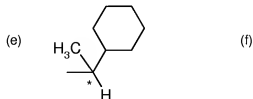
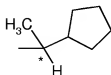
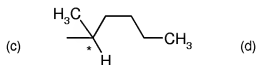
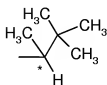
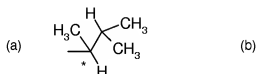
6. (Currently Amended) A liquid-crystalline ~~Liquid-crystalline~~ mixture comprising at least one chiral dopant according to Claim 1.

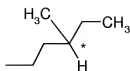
7. (Currently Amended) An electro-optical ~~Electro-optical~~ display element containing a liquid-crystalline mixture according to Claim 6.

8. (New) A chiral dopant according to Claim 1, wherein one of L and M is alkyl.

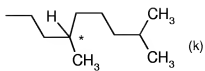
9. (New) A chiral dopant according to Claim 1, wherein both L and M are alkyl.

10. (New) A chiral dopant according to Claim 1, wherein Q* is

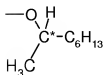




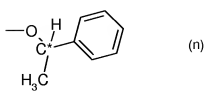
(i)



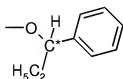
(k)



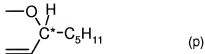
(m)



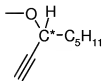
(n)



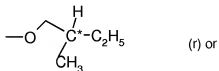
(o)



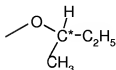
(p)



(q)

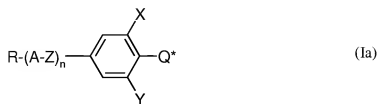


(r) or

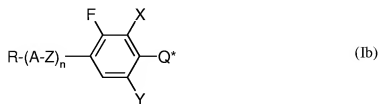


(s).

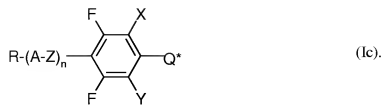
11. (New) A chiral dopant according to Claim 3, which is a compound of formula (Ia), (Ib) or (Ic)



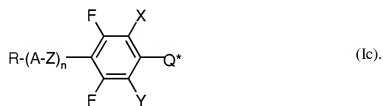
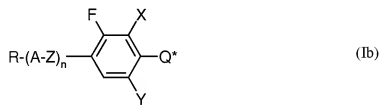
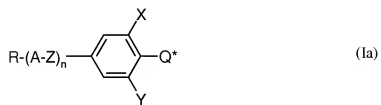
(Ia)



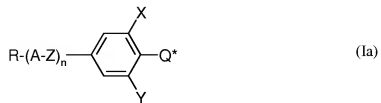
(Ib)

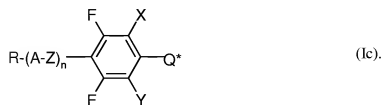
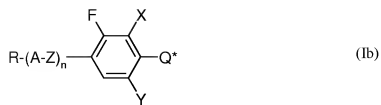


12. (New) A chiral dopant according to Claim 9, which is a compound of formula (1a), (1b) or (1c)

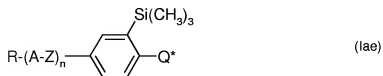
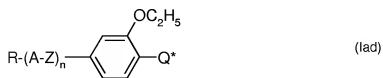
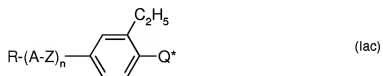
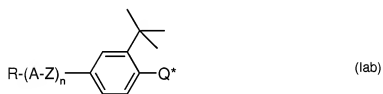
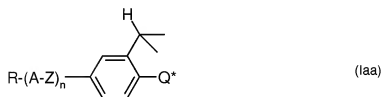


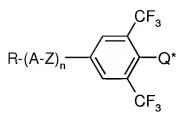
13. (New) A chiral dopant according to Claim 10, which is a compound of formula (1a), (1b) or (1c)



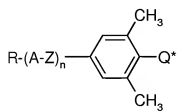


14. (New) A chiral dopant according to Claim 1, which is a compound of one of the following formulae

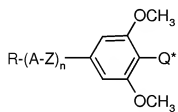




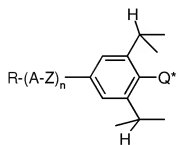
(laf)



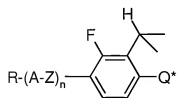
(lag)



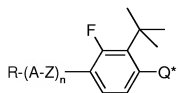
(lah)



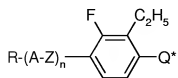
(lai)



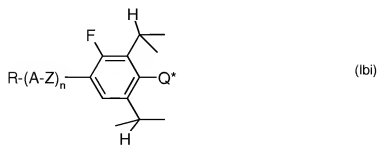
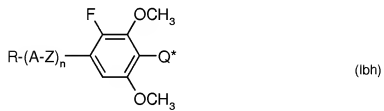
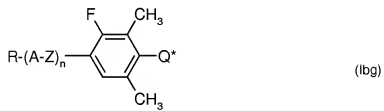
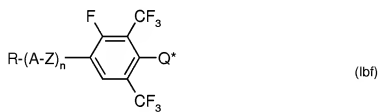
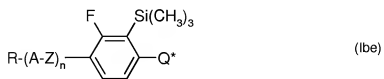
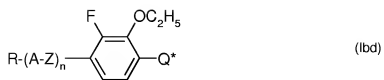
(lba)

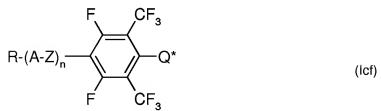
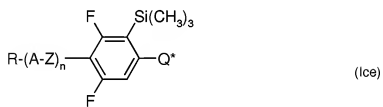
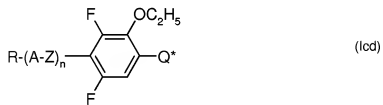
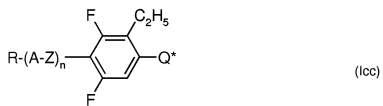
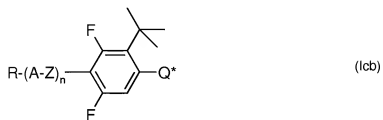
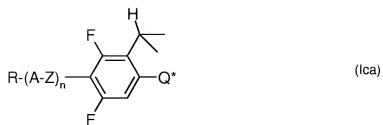


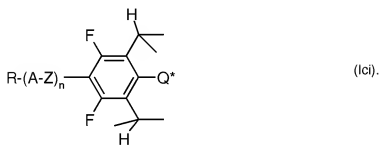
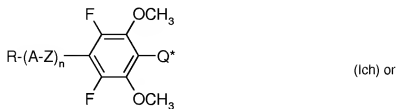
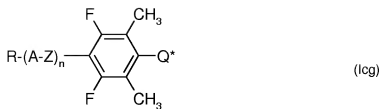
(lbb)



(lbc)

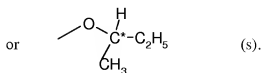
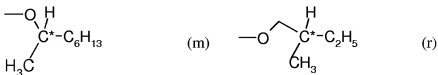
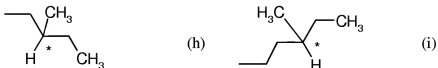




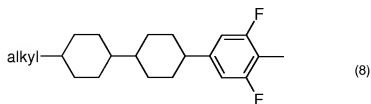
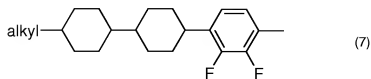
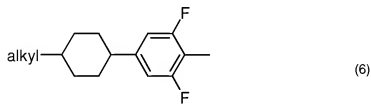
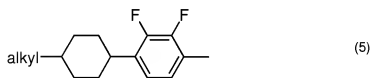
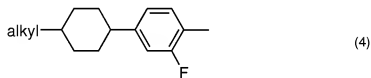
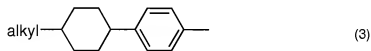
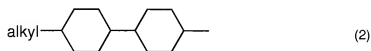
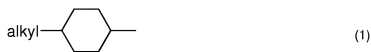


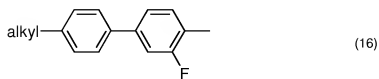
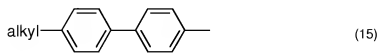
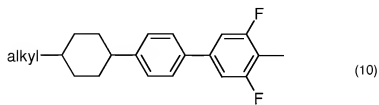
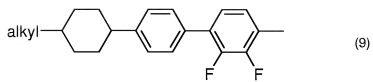
15. (New) A chiral dopant according to Claim 14, which is a compound of formula (Iab), (Iac), (Iag) or (Ibe).

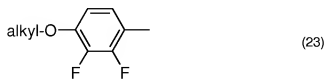
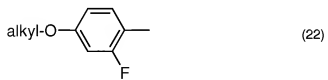
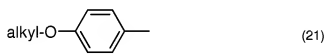
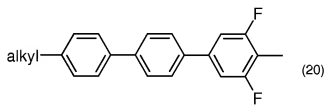
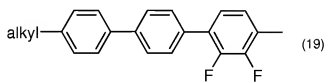
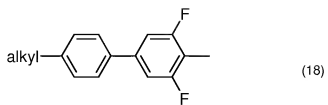
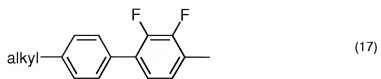
16. (New) A chiral dopant according to Claim 15, wherein Q* is

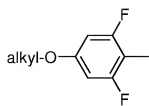


17. (New) A chiral dopant according to Claim 1, wherein R-(A-Z)_n is of one of the following formulae

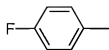




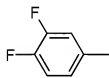




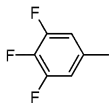
(24)



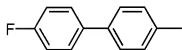
(25)



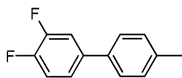
(26)



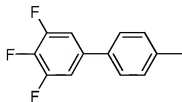
(27)



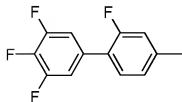
(28)



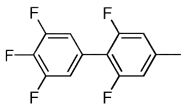
(29)



(30)



(31) or



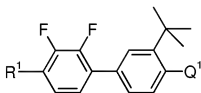
(32)

wherein alkyl is an alkyl radical having 1 to 12 carbon atoms, which is straight-chain or branched.

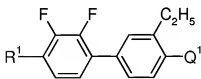
18. (New) A chiral dopant according to Claim 17, wherein alkyl is a straight-chain alkyl radical having 1, 2, 3, 4, 5, 6 or 7 carbon atoms.

19. (New) A chiral dopant according to Claim 17, wherein R-(A-Z)_n is of formula (5), (7), (9), (17) or (19).

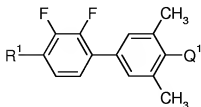
20. (New) A chiral dopant according to Claim 1, wherein the compound of formula I is a compound of one of the following formulae



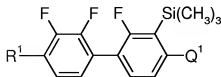
(lab')



(lac')

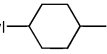
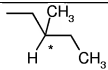
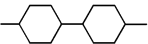
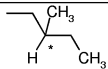
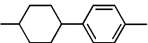
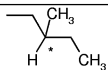

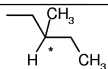
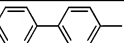
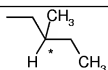
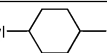
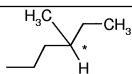
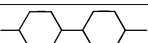
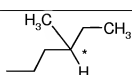
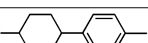
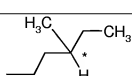



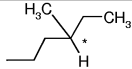
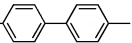
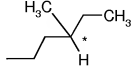

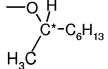
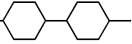
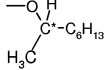
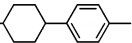
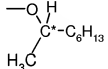

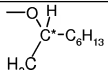
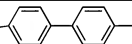
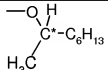

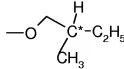
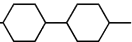
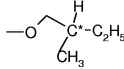
(lag') or

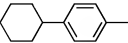
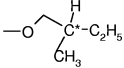

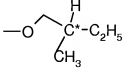
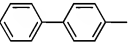
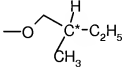

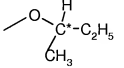
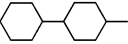
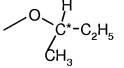
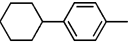
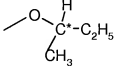

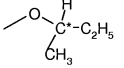
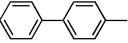
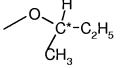


(lbe')

wherein

R ¹		Q ¹	
alkyl- 	(5')		(h)
alkyl- 	(7')		(h)
Alkyl- 	(9')		(h)
alkyl- 	(17')		(h)
alkyl- 	(19')		(h)
alkyl- 	(5')		(i)
alkyl- 	(7')		(i)
alkyl- 	(9')		(i)

alkyl- 	(17')		(i)
alkyl- 	(19')		(ii)
alkyl- 	(5')		(m)
alkyl- 	(7')		(m)
alkyl- 	(9')		(m)
alkyl- 	(17')		(m)
alkyl- 	(19')		(m)
alkyl- 	(5')		(r)
alkyl- 	(7')		(r)

alkyl- 	(9')		(r)
alkyl- 	(17')		(r)
alkyl- 	(19')		(r)
alkyl- 	(5')		(s)
alkyl- 	(7')		(s)
alkyl- 	(9')		(s)
alkyl- 	(17')		(s) or
alkyl- 	(19')		(s)

wherein alkyl is a straight-chain alkyl radical having 1 to 7 carbon atoms.

are, each independently of one another, is an alkyl radical and/or an alkoxy radical having from 1 to 7 carbon atoms, which is straight-chain or branched.